

**P10-1331**

**COMPANIES CALLED: SOCIETE DE TECHNOLOGIE MICHELIN  
MICHELIN RECHERCHE ET TECHNIQUE S.A.**

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**TITLE: TIRE WITH REINFORCEMENT STRUCTURE IN THE FORM OF  
GROUPS**

**ABSTRACT**

- 10 A tire comprising at least one reinforcement structure of carcass type, a crown reinforcement, each bead being extended radially towards the outside by a sidewall, the sidewalls joining a tread radially towards the outside, the reinforcement structure comprising:  
-a first filament forming on one hand at the level of the crown and the sidewalls a series of transverse portions extending substantially from one bead of the tire to the other, and on the other hand, at the level of the beads, U-shaped connections joining two successive transverse portions of the first filament,  
15 -a second filament forming on one hand at the level of the crown and the sidewalls a series of transverse portions extending substantially from one bead of the tire to the other, and on the other hand, at the level of the beads, U-shaped connections joining two successive transverse portions of the second filament,  
-the respective paths of the first and second filaments being arranged such that, between the crown and the bead, a group of filaments formed by a first and a second adjacent filaments forms at least a portion of substantially parallel  
20 paths.  
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**FIGURE 12a**